

WE CLAIM:

1.

A data network telephone system comprising:

a data network to provide data connectivity for a plurality of data communications channels;

a telecommunications network access station connected to a data network the data network operable to communicate voice signals as voice over data packets on a voice-over data channel, the voice over data channel being one of the plurality of data communications channels on the data network;

the telecommunications network access station having a station transceiver interface operable to communicate on at least one wireless connection;

at least one data network teleport having a wireless transceiver interface, a voice processing system, an audio input, and an audio output, the voice processing system operable to receive voice signals from the audio input and to communicate the voice signals over the wireless transceiver to the telecommunications network access station, the voice processing system operable to receive voice signals from the telecommunications network access station and to couple the voice signals to the audio output.